

APPENDIX

A. KodePerusahaan.py

IMPORT LIBRARY

```
from selenium import webdriver
from selenium.webdriver.support.ui import Select
from selenium.webdriver.common.by import By
from selenium.webdriver.support import expected_conditions as EC
from selenium.webdriver.support.ui import WebDriverWait
from selenium.common.exceptions import TimeoutException
import time
import logging
from openpyxl import load_workbook
```

IMPORT PLATFORM AND DELAY TIME

```
logging.basicConfig(filename='test.log', level=logging.DEBUG,
format='%(asctime)s:%(levelname)s:%(message)s')
```

```
wb =
load_workbook(filename="C:\\Users\\andre\\Desktop\\dataperusahaan.xlsx")
```

```
sheetRange = wb['Sheet1']
```

```
sheetRange = wb['Sheet1']
```

```
logging.basicConfig(filename='test.log', level=logging.DEBUG)
driver = webdriver.Chrome()
driver.implicitly_wait(10)
```

CONFIRMATION RUN PROGRAM

```
driver.get("https://dev.artemis.local/globals/kodeperusahaan")
time.sleep(3)
driver.find_element_by_id("details-button").click()
driver.find_element_by_id("proceed-link").click()
```

```

time.sleep(3)
driver.find_element_by_id("email").send_keys("edwin.18k10005@artemis.dev")
time.sleep(3)
driver.find_element_by_id("password").send_keys("18k10005")
time.sleep(3)
driver.find_element_by_name("sign_in_btn").click()
time.sleep(5)
#option meneruskan kerja lagi
driver.find_element_by_xpath('//*[@id="dynamic_form"]/div/div/div[3]/div/input[1]').click()
time.sleep(5)

```

GO TO MENU AND INPUT DATA

```

#inputkan form kode perusahaan baru
#looping input
i = 2

while i <= len(sheetRange['A']):
    kodeperusahaan = sheetRange['A'+str(i)].value
    badanhukum = sheetRange['B'+str(i)].value
    namaperusahaan = sheetRange['C'+str(i)].value

    #sudah masuk ke tombol new

    driver.find_element_by_xpath('//*[@id="create_record"]').click()
    time.sleep(5)

    try:

        WebDriverWait(driver,10).until(EC.element_to_be_clickable((By.XPATH, '//*[@id="formModal"]/div/div')))

        driver.find_element_by_xpath('//*[@id="company_code"]').send_keys(kodeperusahaan)
        time.sleep(3)

```

```
driver.find_element_by_xpath('//*[@id="legal_entity"]').send_keys(badanhukum)
time.sleep(3)
```

```
driver.find_element_by_xpath("//*[@id='company_name']").send_keys(namaperusahaan)
time.sleep(3)
```

SAVE DATA

```
#tombol simpan
driver.find_element_by_name("action_button").click()
time.sleep(5)
#tombol konfirmasi tambah
try:
    WebDriverWait(driver,10).until(EC.element_to_be_clickable((By.
    XPATH, '//*[@id="divArtConfirmation"]')))
    print("ada pop up")
    driver.find_element_by_id("artConfirmationBtnOk").click()
    print("klik simpan")
except TimeoutException:
    print("pop up tidak muncul")
    pass
```

LOGGING OPERATOR LOGIC

```
def kurang1(x, y):
    return x <= y
def lebih1(x, y):
    return x >= y
def sama1(x, y):
    return x == y
def tidak1(x, y):
    return x != y
a = 5
b = 15
c = 5
d = 10
```

```

hasil1 = lebih1(a, b)
logging.debug('lebih dari 6 karakter : {} lebih dari {} =
{}'.format(a, b, hasil1))
hasil2 = kurang1(a, b)
logging.debug('kurang dari 6 karakter : {} kurang dari {} =
{}'.format(a, b, hasil2))
hasil3 = sama1(a, b)
logging.debug('sama dengan 6 karakter : {} sama dengan {} =
{}'.format(a, b, hasil3))
hasil4 = tidak1(a, b)
logging.debug('kosong : {} tidak sama dengan {} =
{}'.format(a, b, hasil4))
hasil5 = lebih1(c, d)
logging.debug('lebih dari 50 karakter : {} lebih dari {} =
{}'.format(c, d, hasil5))
hasil6 = kurang1(c, d)
logging.debug('kurang dari 50 karakter : {} kurang dari {} =
{}'.format(c, d, hasil6))
hasil7 = sama1(c, d)
logging.debug('sama dengan 50 karakter : {} sama dengan {} =
{}'.format(c, d, hasil7))
hasil8 = tidak1(c, d)
logging.debug('kosong : {} tidak sama dengan {} =
{}'.format(c, d, hasil8))
for j in range(0,1):
    if(j%5<=6):
        logging.info('benar kurang dari 6')
    elif(j%5==6):
        logging.critical('salah tidak sama dengan 6')
    else:
        logging.error('salah lebih dari 6')

for k in range(0,1):
    if(k%5<=50):
        logging.info('benar kurang dari 50')
    elif(k%5==50):
        logging.critical('salah tidak sama dengan 50')
    else:
        logging.error('salah lebih dari 50')
time.sleep(5)

```

B. Site.py

IMPORT LIBRARY

```
from selenium import webdriver
from selenium.webdriver.support.ui import Select
from selenium.webdriver.common.by import By
from selenium.webdriver.support import expected_conditions as EC
from selenium.webdriver.support.ui import WebDriverWait
from selenium.common.exceptions import TimeoutException
import time
import logging
from openpyxl import load_workbook
```

IMPORT PLATFORM AND DELAY TIME

```
logging.basicConfig(filename='test2.log', level=logging.DEBUG,
format='%(asctime)s:%(levelname)s:%(message)s')

wb =
load_workbook(filename="C:\\Users\\andre\\Desktop\\datasite.xlsx")

sheetRange = wb['Sheet1']

logging.basicConfig(filename='test.log', level=logging.DEBUG)
driver = webdriver.Chrome()
driver.implicitly_wait(10)
```

CONFIRMATION RUN PROGRAM

```
driver.get("https://dev.artemis.local/globals/site")
time.sleep(3)
driver.find_element_by_id("details-button").click()
driver.find_element_by_id("proceed-link").click()
time.sleep(3)
driver.find_element_by_id("email").send_keys("edwin.18k10005@artemis.dev")
time.sleep(3)
```

```

driver.find_element_by_id("password").send_keys("18k10005")
time.sleep(3)
driver.find_element_by_name("sign_in_btn").click()
time.sleep(5)
#option meneruskan kerja lagi
driver.find_element_by_xpath('//*[@id="dynamic_form"]/div/div/div[3]/div/input[1]').click()
time.sleep(5)

```

GO TO MENU AND INPUT DATA

```

#inputkan form site baru
#looping input
i = 2

while i <= len(sheetRange['A']):
    kodeperusahaan = sheetRange['A'+str(i)].value
    site = sheetRange['B'+str(i)].value
    diskripsi = sheetRange['C'+str(i)].value
    country = sheetRange['D'+str(i)].value
    province = sheetRange['E'+str(i)].value
    city = sheetRange['F'+str(i)].value
    address = sheetRange['G'+str(i)].value
    telp = sheetRange['H'+str(i)].value
    kodepos = sheetRange['I'+str(i)].value
    siteparent = sheetRange['J'+str(i)].value
    domain = sheetRange['K'+str(i)].value

    #sudah masuk ke tombol new
    driver.find_element_by_xpath('//*[@id="art-main-contents"]/div[2]/div[1]/div[1]/button[2]').click()
    time.sleep(5)

    driver.find_element_by_name("company_code").send_keys(kod
    eperusahaan)
    time.sleep(3)
    driver.find_element_by_name("site").send_keys(site)
    time.sleep(3)

```

```
driver.find_element_by_name("site_description").send_keys
(diskripsi)
time.sleep(3)
driver.find_element_by_name("country").send_keys(country)
time.sleep(3)
driver.find_element_by_id("province").send_keys(province)
time.sleep(3)
driver.find_element_by_id("city").send_keys(city)
time.sleep(3)

driver.find_element_by_xpath('//*[@id="address"]').send_k
eys(address)
time.sleep(3)

driver.find_element_by_id("telephone_number").send_keys(t
elp)
time.sleep(3)

driver.find_element_by_id("postal_code").send_keys(kodepo
s)
time.sleep(3)

driver.find_element_by_id("site_parent").send_keys(sitepa
rent)
time.sleep(3)
driver.find_element_by_name("domain").send_keys(domain)
time.sleep(3)
```

SAVE DATA

```
#tombol simpan
driver.find_element_by_id("saveBtn").click()
time.sleep(5)
#tombol konfirmasi tambah
try:

    WebDriverWait(driver,10).until(EC.element_to_be_clickable((
    By.XPATH, '//*[@id="divArtConfirmationModal"]/div')))
    print("ada pop up")

    driver.find_element_by_id("artConfirmationBtnOk").click()
    print("klik simpan")

except TimeoutException:
    print("pop up tidak muncul")
    pass
```

LOGGING OPERATOR LOGIC

```
def kurang1(x, y):
    return x <= y
def lebih1(x, y):
    return x >= y
def sama1(x, y):
    return x == y
def tidak1(x, y):
    return x != y
a = 5
b = 15
c = 5
d = 10
hasil1 = lebih1(a, b)
logging.debug('lebih dari 6 karakter : {} lebih dari {} =
{}'.format(a, b, hasil1))
hasil2 = kurang1(a, b)
logging.debug('kurang dari 6 karakter : {} kurang dari {} =
{}'.format(a, b, hasil2))
hasil3 = sama1(a, b)
```



```

logging.debug('sama dengan 6 karakter : {} sama dengan {} =
{}'.format(a, b, hasil3))
hasil4 = tidak1(a, b)
logging.debug('kosong : {} tidak sama dengan {} =
{}'.format(a, b, hasil4))
hasil5 = lebih1(c, d)
logging.debug('lebih dari 50 karakter : {} lebih dari {} =
{}'.format(c, d, hasil5))
hasil6 = kurang1(c, d)
logging.debug('kurang dari 50 karakter : {} kurang dari {} =
{}'.format(c, d, hasil6))
hasil7 = samal(c, d)
logging.debug('sama dengan 50 karakter : {} sama dengan {} =
{}'.format(c, d, hasil7))
hasil8 = tidak1(c, d)
logging.debug('kosong : {} tidak sama dengan {} =
{}'.format(c, d, hasil8))
for z in range(0,1):
    if(z%5<=15):
        logging.info('benar kurang dari 15')
    elif(z%5==15):
        logging.critical('salah tidak sama dengan 15')
    else:
        logging.error('salah lebih dari 15')

for z in range(0,1):
    if(z%5<=10):
        logging.info('benar kurang dari 10')
    elif(z%5==10):
        logging.critical('salah tidak sama dengan 10')
    else:
        logging.error('salah lebih dari 10')
time.sleep(5)

```

C. lokasi.py

IMPORT LIBRARY

```
from selenium import webdriver
from selenium.webdriver.support.ui import Select
from selenium.webdriver.common.by import By
from selenium.webdriver.support import expected_conditions as EC
from selenium.webdriver.support.ui import WebDriverWait
from selenium.common.exceptions import TimeoutException
import time
import logging
from openpyxl import load_workbook
```

IMPORT PLATFORM AND DELAY TIME

```
logging.basicConfig(filename='test3.log', level=logging.DEBUG,
format='%(asctime)s:%(levelname)s:%(message)s')

wb =
load_workbook(filename="C:\\Users\\andre\\Desktop\\datasite.xlsx")

sheetRange = wb['Sheet1']

logging.basicConfig(filename='test3.log', level=logging.DEBUG)
driver = webdriver.Chrome()
driver.implicitly_wait(10)
```

CONFIRMATION RUN PROGRAM

```
driver.get("https://dev.artemis.local/globals/location")
time.sleep(3)
driver.find_element_by_id("details-button").click()
driver.find_element_by_id("proceed-link").click()
time.sleep(3)
driver.find_element_by_id("email").send_keys("edwin.18k10005@artemis.dev")
time.sleep(3)
```

```
driver.find_element_by_id("password").send_keys("18k10005")
time.sleep(3)
driver.find_element_by_name("sign_in_btn").click()
time.sleep(5)
#option meneruskan kerja lagi
driver.find_element_by_xpath('//*[@id="dynamic_form"]/div/div/div[3]/div/input[1]').click()
time.sleep(5)
```



GO TO MENU AND INPUT DATA

```
#inputkan form lokasi baru
#looping input
i = 2

while i <= len(sheetRange['A']):
    kodeperusahaan = sheetRange['A'+str(i)].value
    site = sheetRange['B'+str(i)].value
    lokasi = sheetRange['C'+str(i)].value
    tipelokasi = sheetRange['D'+str(i)].value
    deslokasi = sheetRange['E'+str(i)].value
    akungl = sheetRange['F'+str(i)].value
    kode = sheetRange['G'+str(i)].value
    linkmodul = sheetRange['H'+str(i)].value
    reff = sheetRange['I'+str(i)].value
    akunlawan = sheetRange['J'+str(i)].value
    overissue = sheetRange['K'+str(i)].value
    tanggalend = sheetRange['L'+str(i)].value
    erp = sheetRange['M'+str(i)].value
    cashin = sheetRange['N'+str(i)].value
    cashout = sheetRange['O'+str(i)].value

    #sudah masuk ke tombol new
    driver.find_element_by_xpath("//*[@id='art-main-
    contents']/div[2]/div[1]/div[1]/button[2]").click()
    time.sleep(5)

    driver.find_element_by_id("company_code_val").send_keys(ko
    deperusahaan)
    time.sleep(3)
    driver.find_element_by_id("site_val").send_keys(site)
    time.sleep(3)

    driver.find_element_by_id("location_val").send_keys(lokasi
    )
    time.sleep(3)

    driver.find_element_by_id("location_type_val").send_keys(t
    ipelokasi)
```

```
time.sleep(3)

driver.find_element_by_id("location_description_val").send_keys(deslokasi)
time.sleep(3)

driver.find_element_by_id("gl_account_id_val").send_keys(akungl)
time.sleep(3)
driver.find_element_by_name("bank_code").send_keys(kode)
time.sleep(3)

driver.find_element_by_id("link_modul").send_keys(linkmodul)
time.sleep(3)

driver.find_element_by_id("cost_center_val").send_keys(ref)
time.sleep(3)

driver.find_element_by_id("opponent_account").send_keys(akunlawan)
time.sleep(3)

driver.find_element_by_id("overissue_val").send_keys(overissue)
time.sleep(3)

driver.find_element_by_id("end_effective_val").send_keys(tanggalend)
time.sleep(3)

driver.find_element_by_id("related_erp_software").send_keys(erp)
time.sleep(3)
driver.find_element_by_id("cashflow_in").send_keys(cashin)
time.sleep(3)

driver.find_element_by_id("cashflow_out").send_keys(cashout)
time.sleep(3)
```

```

#tombol simpan
driver.find_element_by_id("saveBtn").click()
time.sleep(5)
#tombol konfirmasi tambah
try:

    WebDriverWait(driver,10).until(EC.element_to_be_clickable((By.XPATH,
    '//*[@id="divArtConfirmation"]')))
    print("ada pop up")

    driver.find_element_by_id("artConfirmationBtnOk").click()
    print("klik simpan")

except TimeoutException:
    print("pop up tidak muncul")
    pass
time.sleep(5)
i = i + 1

```

SAVE DATA

```

#tombol simpan
driver.find_element_by_id("saveBtn").click()
time.sleep(5)
#tombol konfirmasi tambah
try:

    WebDriverWait(driver,10).until(EC.element_to_be_clickable((
    By.XPATH, '//*[@id="divArtConfirmation"]')))
    print("ada pop up")

    driver.find_element_by_id("artConfirmationBtnOk").click()
    print("klik simpan")

except TimeoutException:
    print("pop up tidak muncul")
    pass

```

COMPARISON OPERATOR LOGIC

```
def kurang1(x, y):
    return x <= y
def lebih1(x, y):
    return x >= y
def samal(x, y):
    return x == y
def tidak1(x, y):
    return x != y
a = 5
b = 25
c = 5
d = 15
hasil1 = lebih1(a, b)
logging.debug('lebih dari 6 karakter : {} lebih dari {} =
{}'.format(a, b, hasil1))
hasil2 = kurang1(a, b)
logging.debug('kurang dari 6 karakter : {} kurang dari {} =
{}'.format(a, b, hasil2))
hasil3 = samal(a, b)
logging.debug('sama dengan 6 karakter : {} sama dengan {} =
{}'.format(a, b, hasil3))
hasil4 = tidak1(a, b)
logging.debug('kosong : {} tidak sama dengan {} =
{}'.format(a, b, hasil4))
hasil5 = lebih1(c, d)
logging.debug('lebih dari 50 karakter : {} lebih dari {} =
{}'.format(c, d, hasil5))
hasil6 = kurang1(c, d)
logging.debug('kurang dari 50 karakter : {} kurang dari {} =
{}'.format(c, d, hasil6))
hasil7 = samal(c, d)
logging.debug('sama dengan 50 karakter : {} sama dengan {} =
{}'.format(c, d, hasil7))
hasil8 = tidak1(c, d)
logging.debug('kosong : {} tidak sama dengan {} =
{}'.format(c, d, hasil8))
for z in range(0,1):
    if(z%5<=25):
        logging.info('benar kurang dari 25')
```

```
elif(z%5==25):
    logging.critical('salah tidak sama dengan 25')
else:
    logging.error('salah lebih dari 25')

for z in range(0,1):
    if(z%5<=15):
        logging.info('benar kurang dari 15')
    elif(z%5==15):
        logging.critical('salah tidak sama dengan 15')
    else:
        logging.error('salah lebih dari 15')
time.sleep(5)
```





1.04% PLAGIARISM
APPROXIMATELY

Report #14119685

CHAPTER 1 INTRODUCTION 1.1. Background Along with the times, technology has become an alternative in solving various problems. One of the results of technological developments is the creation of many applications and software that help many people. The basis of application or software development is the creation of software that can keep up with the times according to user needs and produce software that can increase the effectiveness and efficiency of a company, industry and independent business. From this statement, it's necessary to measure software by testing to produce superior quality software. The purpose of testing is that the software does not contain errors or bugs that can interfere with the performance of the software. There are two ways of testing that most people do, namely manual testing and automated testing. Testing manually is done by trying the menu, performance and overall features contained in the software. The test requires a lot of resources and time, This is because testing is carried out continuously in the